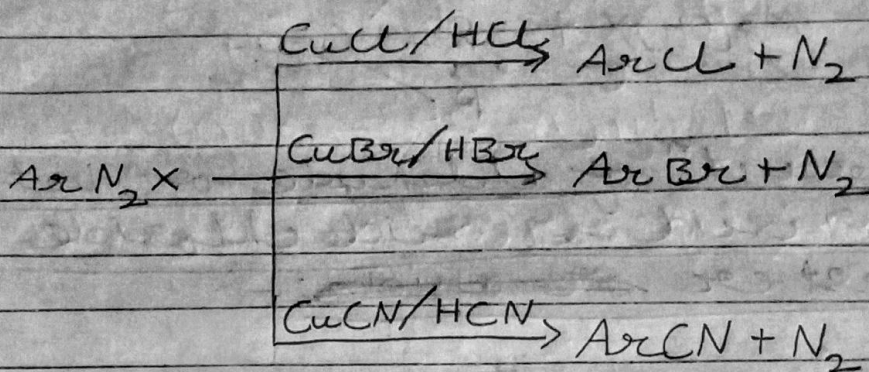
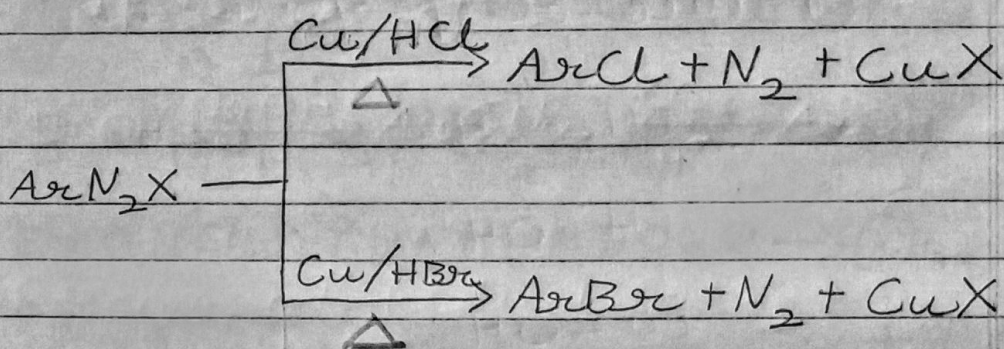


# Organic Chemical Reactions

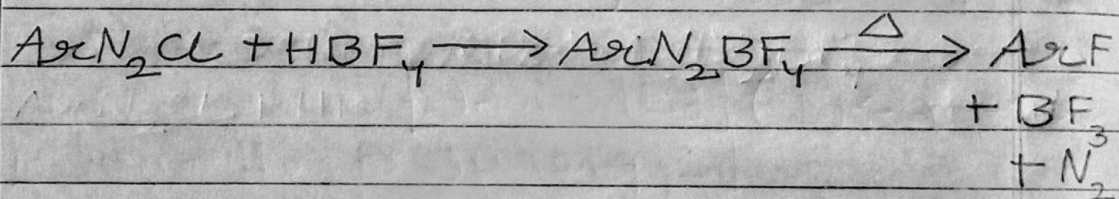
⊛ Sandmeyer React<sup>n</sup>:



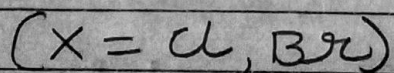
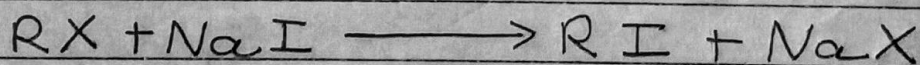
⊛ Grattemann React<sup>n</sup>:



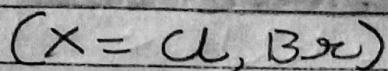
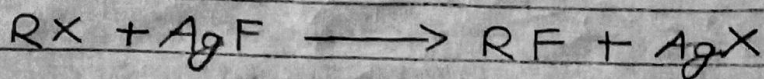
⊛ Balz-Schiemann React<sup>n</sup>:



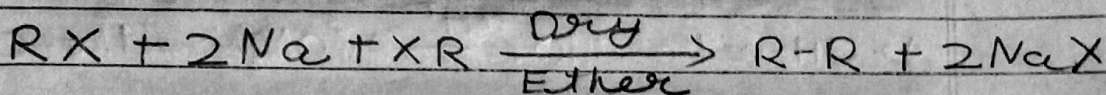
⊛ Finkelstein React<sup>n</sup>:



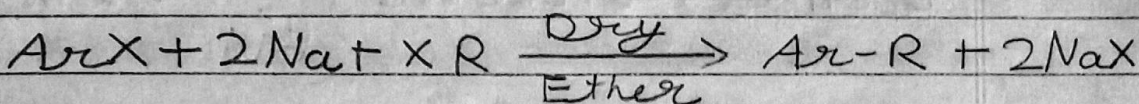
⑤ Swarts React<sup>n</sup>:



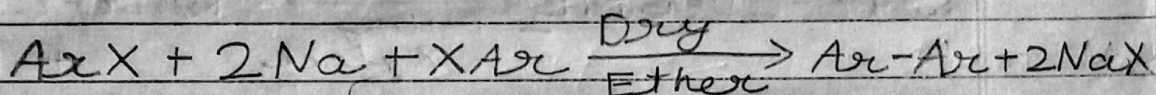
⑤ Wurtz React<sup>n</sup>:



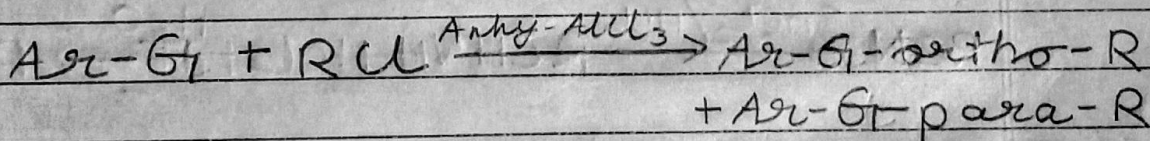
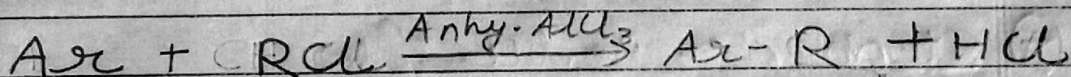
⑤ Wurtz-Fittig React<sup>n</sup>:



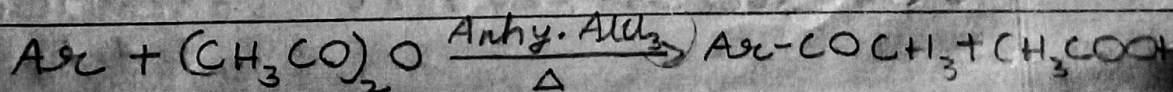
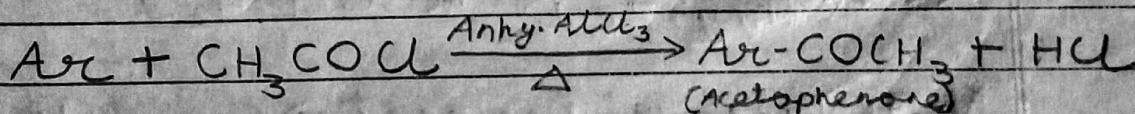
⑤ Fittig React<sup>n</sup>:



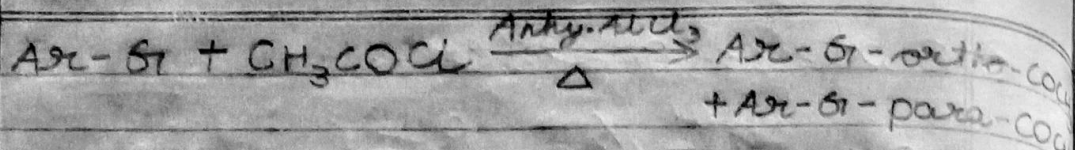
I ⑤ Friedel-Crafts Alkylat<sup>n</sup> React<sup>n</sup>:



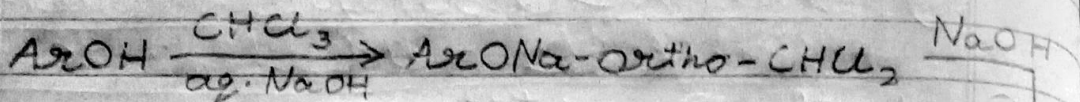
I ⑤ Friedel-Crafts Acylat<sup>n</sup> React<sup>n</sup>:



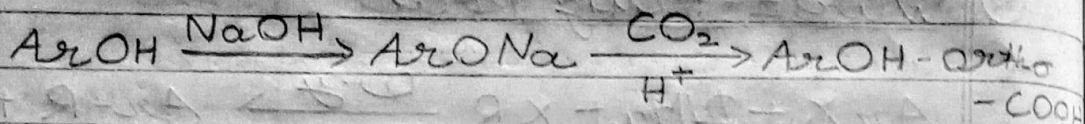




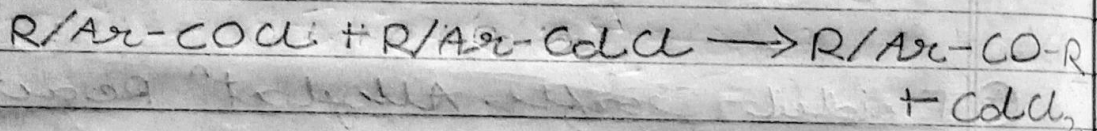
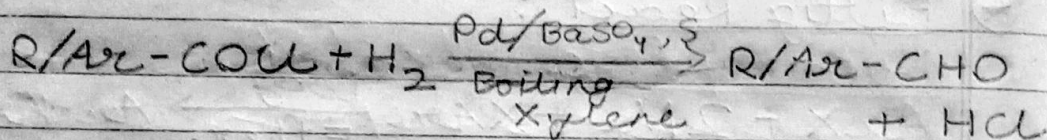
## I (C) Reimer-Tiemann React<sup>n</sup>:



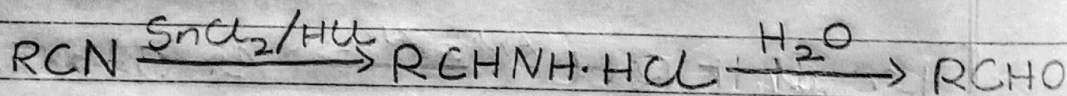
## (A) Kolbe's React<sup>n</sup>:



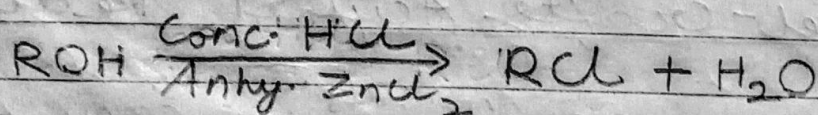
## (A) Rosenmund Reduct<sup>n</sup>:



## (\*) Stephen's Reduct<sup>n</sup>:

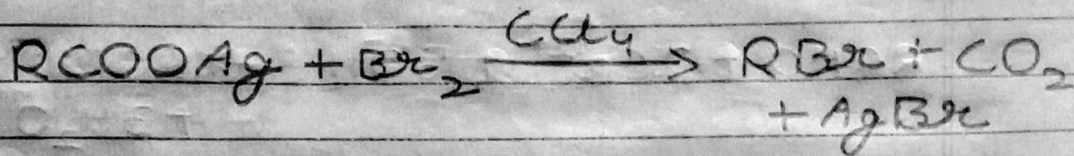


## (\*) Grove's React<sup>n</sup>:



N.B: Lucas Reagent  $\rightarrow$  Conc. HCl + Anhy.  $\text{ZnCl}_2$

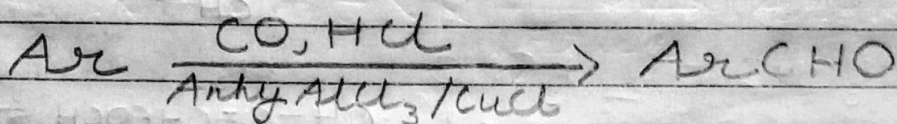
① Huns-Dieckmann React<sup>n</sup>:



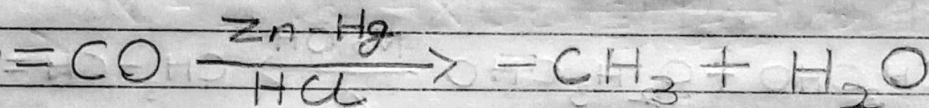
② Etard React<sup>n</sup>:



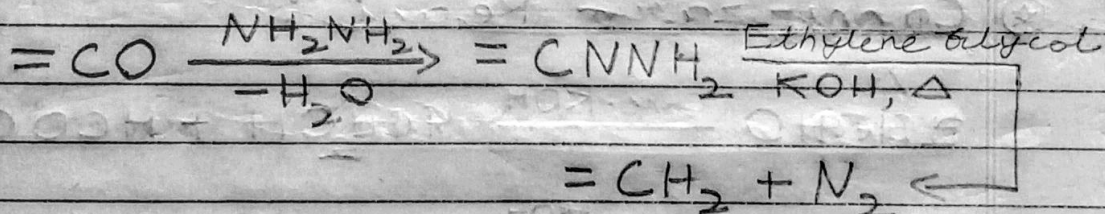
③ Grattermann-Koch React<sup>n</sup>:



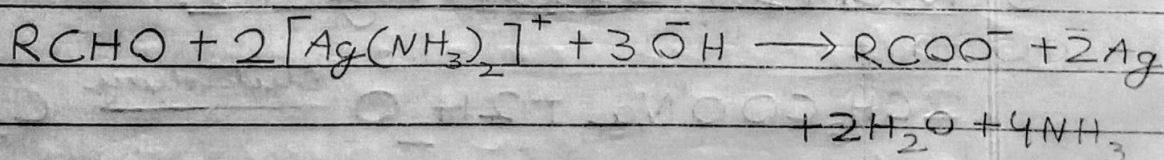
④ Clemmensen Reduct<sup>n</sup>:



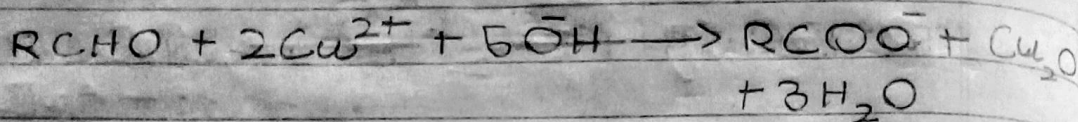
⑤ Wolff-Kishner Reduct<sup>n</sup>:



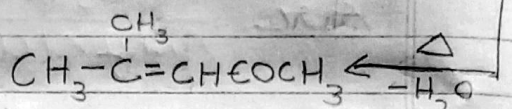
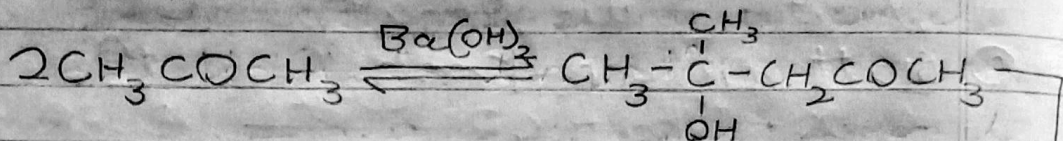
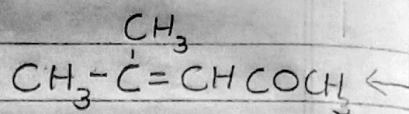
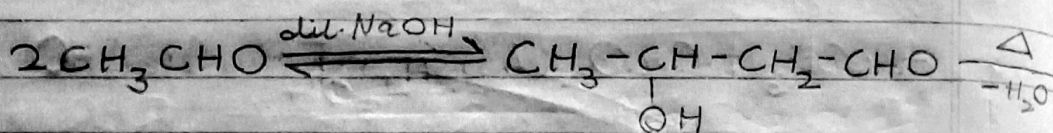
⑥ Tollen's Test:



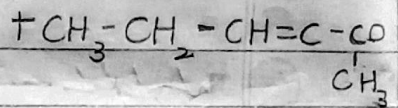
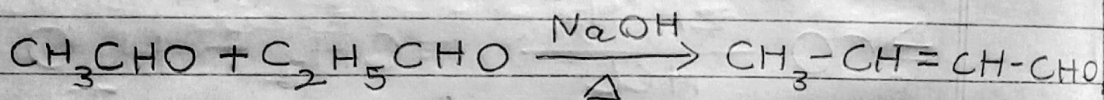
★ Fehling's Test:



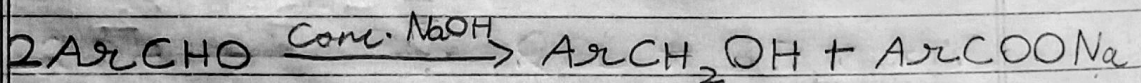
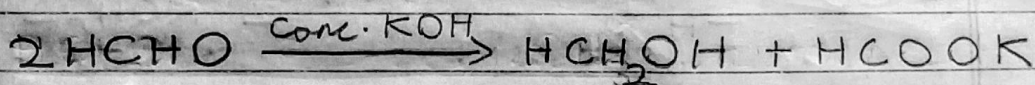
I ★ Aldol Condensat<sup>n</sup>:



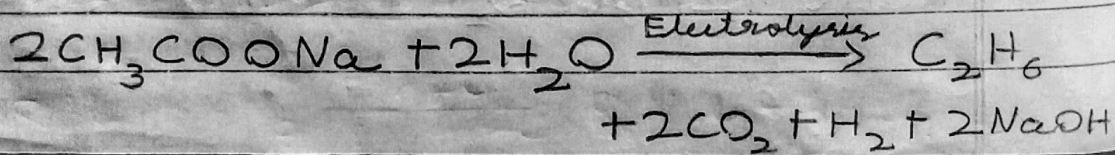
★ Cross Aldol Condensat<sup>n</sup>:



I ★ Cannizzaro React<sup>n</sup>:

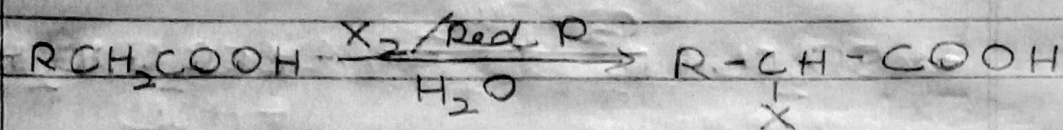


★ Kolbe's Electrolysis:



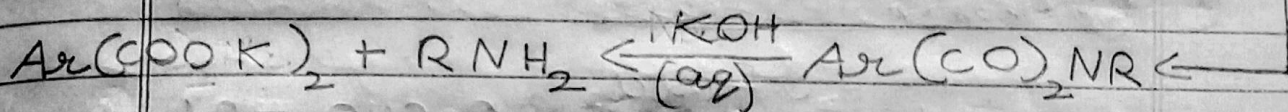
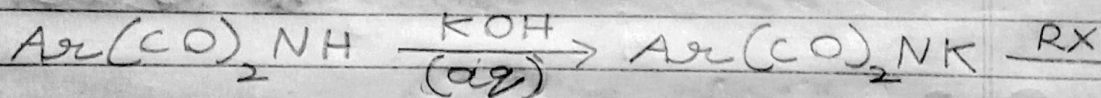


① Hell-Volhard-Zelinsky (HVZ) React<sup>n</sup>:

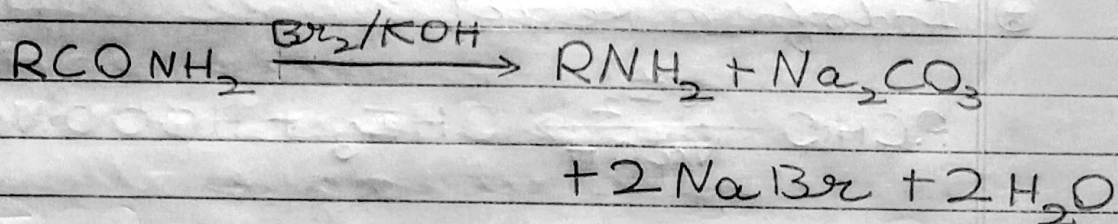


(X = Cl, Br)

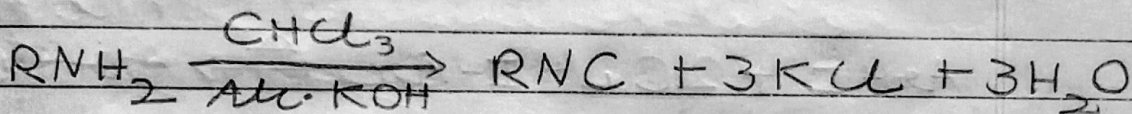
② Gabriel Phthalimide Synthesis:



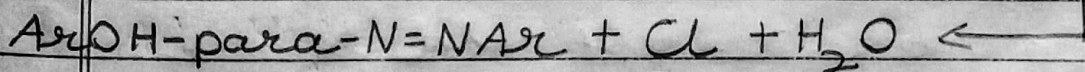
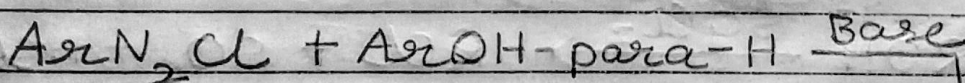
③ Hoffmann-Bromamide Degradat<sup>n</sup> React<sup>n</sup>:



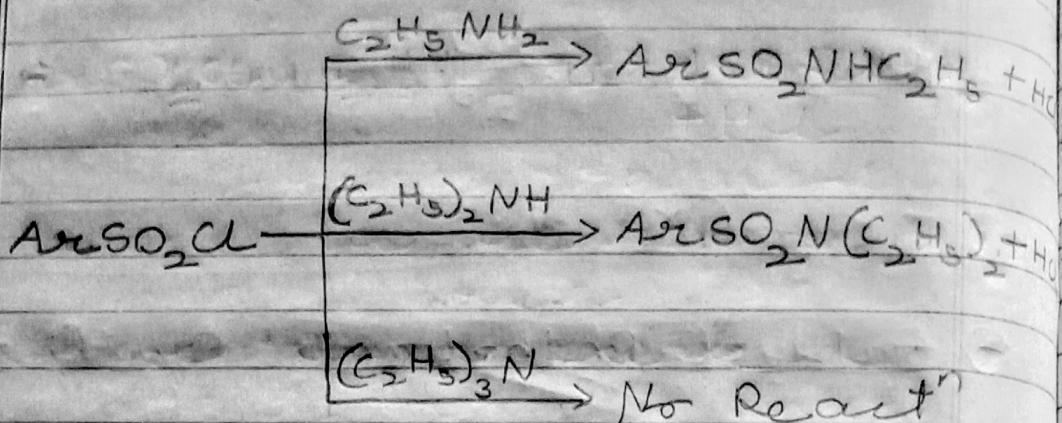
④ Carbylamine React<sup>n</sup>:



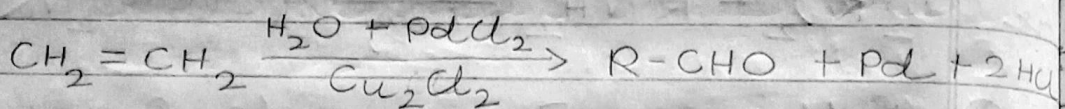
⑤ Coupling React<sup>n</sup>:



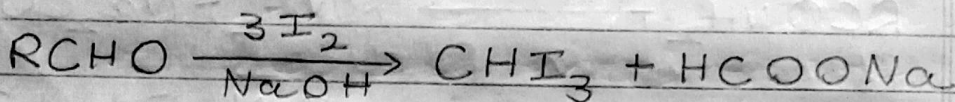
★ Hinsberg's Test:



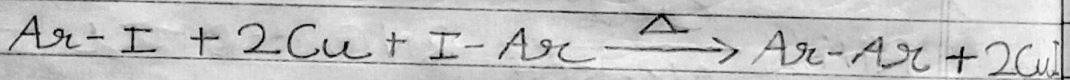
★ Walker's Process:



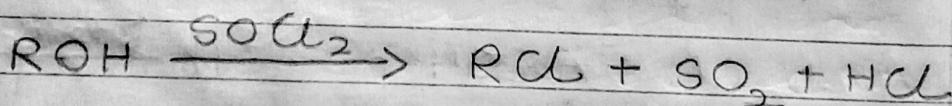
★ Iodoform React<sup>n</sup>:



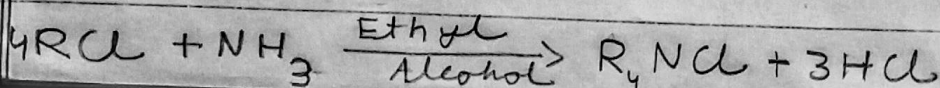
★ Ullmann React<sup>n</sup>:



★ Darzen Procedure:



★ Hoffmann's Ammonolysis:





⑤ Williamson's Synthesis:



⑤ Dow's Process:

